

# Week 1- Cloud Environment Setup

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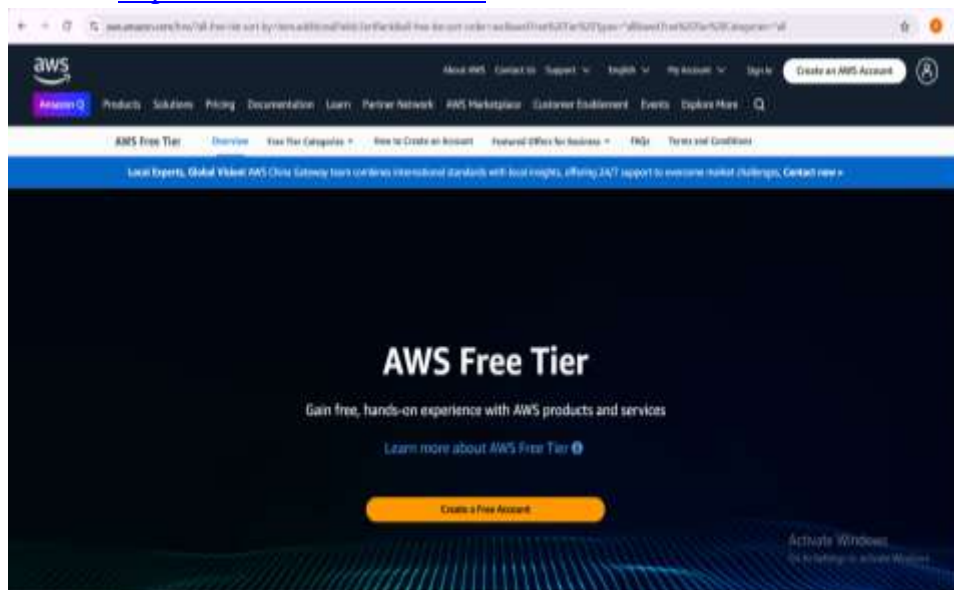
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- ❖ **Task-** 1) Create AWS Free Tier or GCP account.
- 2) Launch EC2/Compute Engine instance.

## Step Create AWS Free Tier Account.

1. AWS Free Tier Account Creation
2. Visited: <https://aws.amazon.com/free>

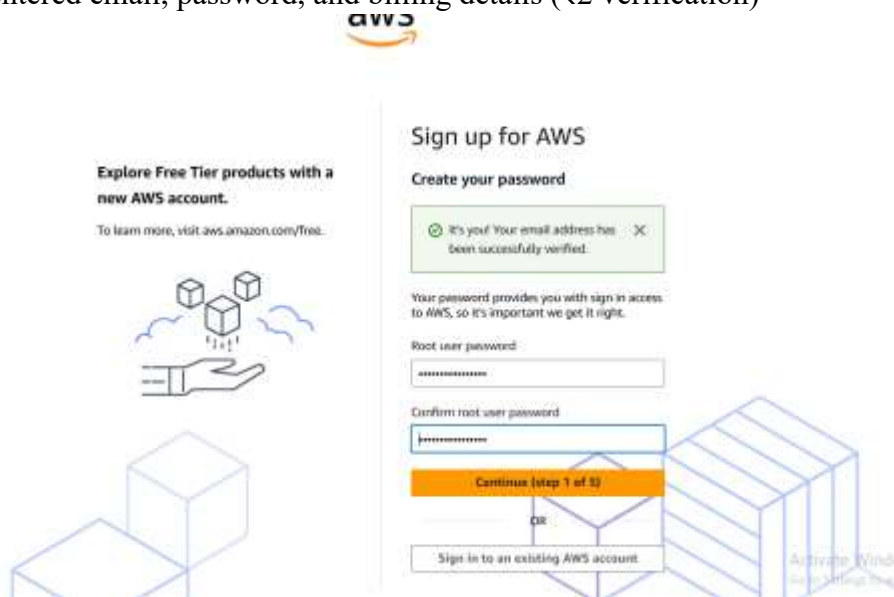


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3. Created a personal AWS account



4. Entered email, password, and billing details (₹2 verification)



5. Selected Basic Support – Free Plan




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## Sign up for AWS

### Select a support plan

Choose a support plan for your business or personal account. [Compare plans and pricing examples](#)

[?](#) You can change your plan anytime in the AWS Management Console.

<input checked="" type="radio"/> <b>Basic support - Free</b> <ul style="list-style-type: none"><li>Recommended for new users just getting started with AWS</li><li>24x7 self-service access to AWS resources</li><li>For account and billing issues only</li><li>Access to Personal Health Dashboard &amp; Trusted Advisor</li></ul> 	<input type="radio"/> <b>Developer support - From \$29/month</b> <ul style="list-style-type: none"><li>Recommended for developers experimenting with AWS</li><li>Email access to AWS Support during business hours</li><li>12 (business)-hour response times</li></ul> 	<input type="radio"/> <b>Business support - From \$100/month</b> <ul style="list-style-type: none"><li>Recommended for running production workloads on AWS</li><li>24x7 tech support via email, phone, and chat</li><li>1-hour response times</li><li>Full set of Trusted Advisor best-practice recommendations</li></ul> 
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#### Need Enterprise level support?

From \$15,000 a month you will receive 15-minute response times and concierge-style experience with an assigned Technical Account Manager. [Learn more](#) [?](#)

[Complete sign up](#)

6. Create Account successfully.



## Congratulations!

Thank you for signing up with AWS.

We are activating your account, which should take a few minutes. You will receive an email when this is complete.

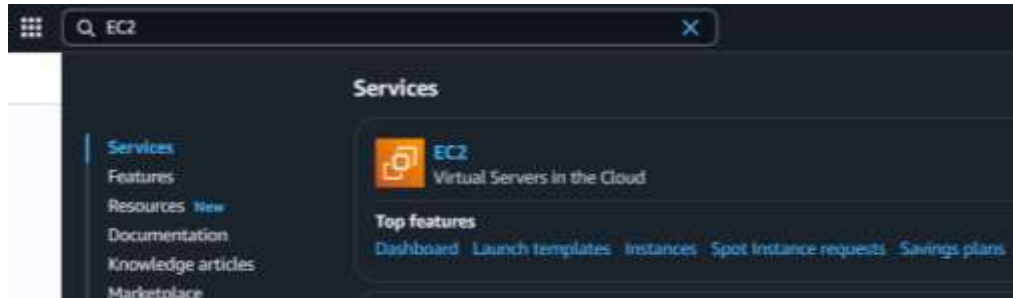
[Go to the AWS Management Console](#)

[Sign up for another account](#) or [Contact Sales](#)

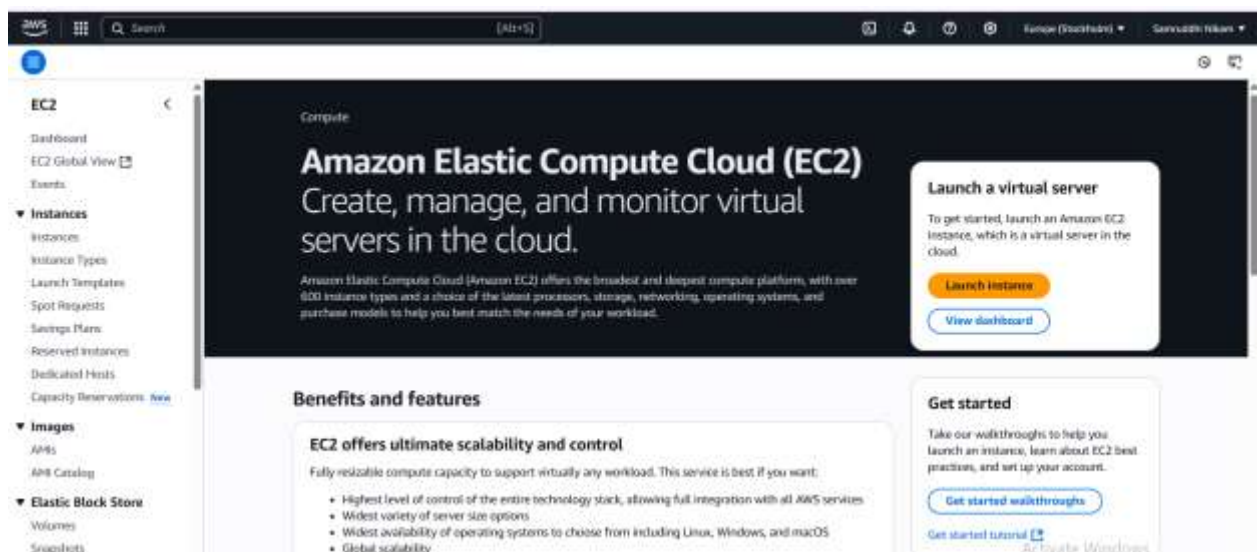
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## **Step: Launch EC2 Instance on AWS**

1. Login to AWS Console , Go to: <https://console.aws.amazon.com>
2. Go to the EC2 Dashboard

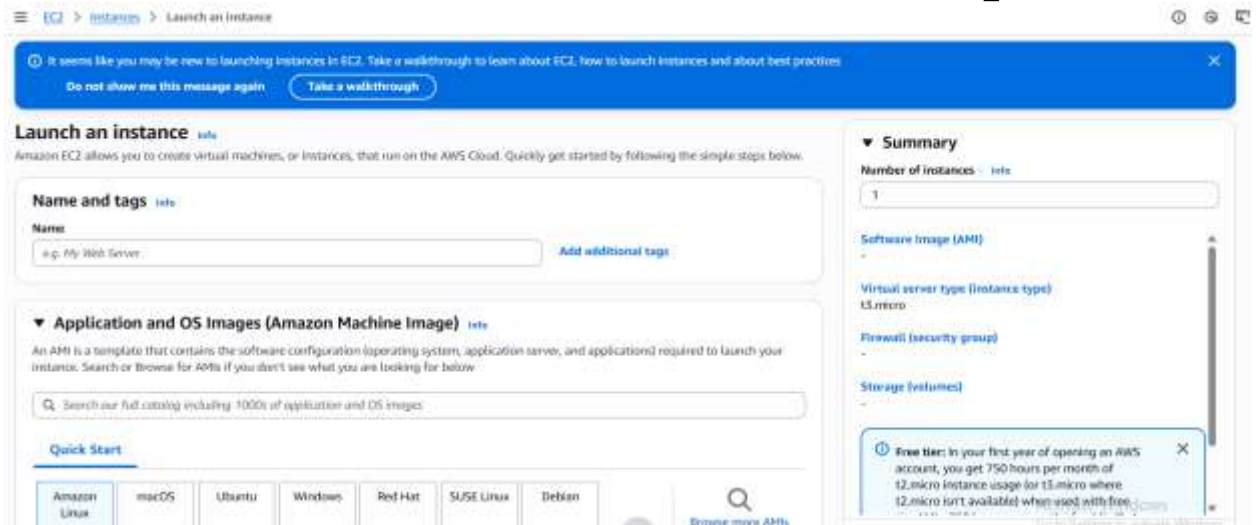


3. Launch an Instance

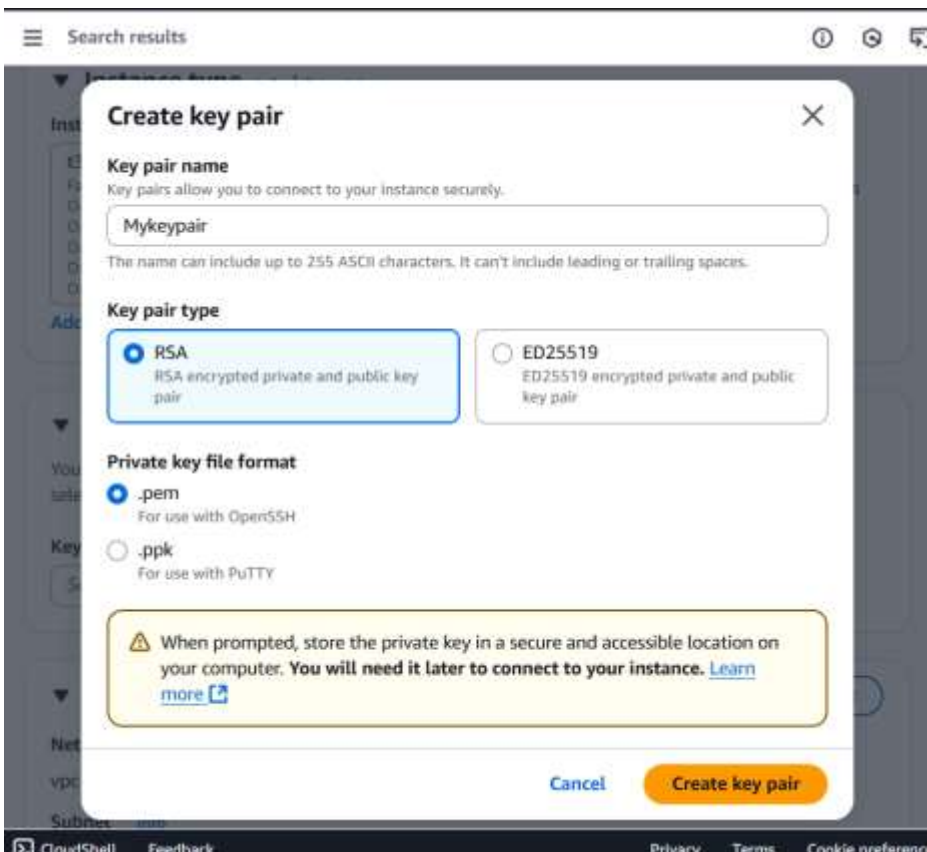


4. Configure Your Instance

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## 5. Create or Select a Key Pair

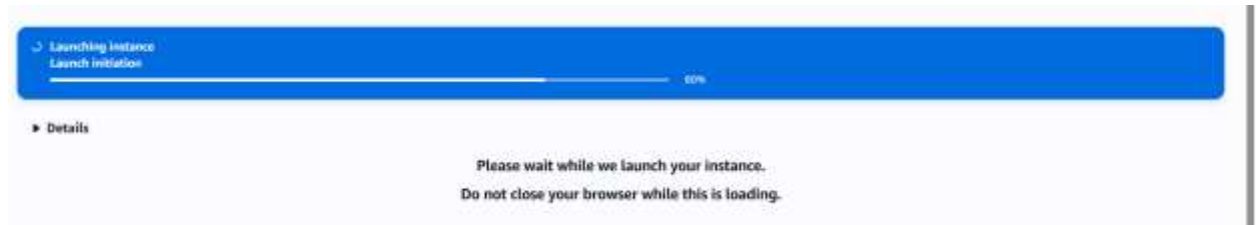


Click Create key pair and it will download a .pem file to your computer — keep this file safe for SSH login.

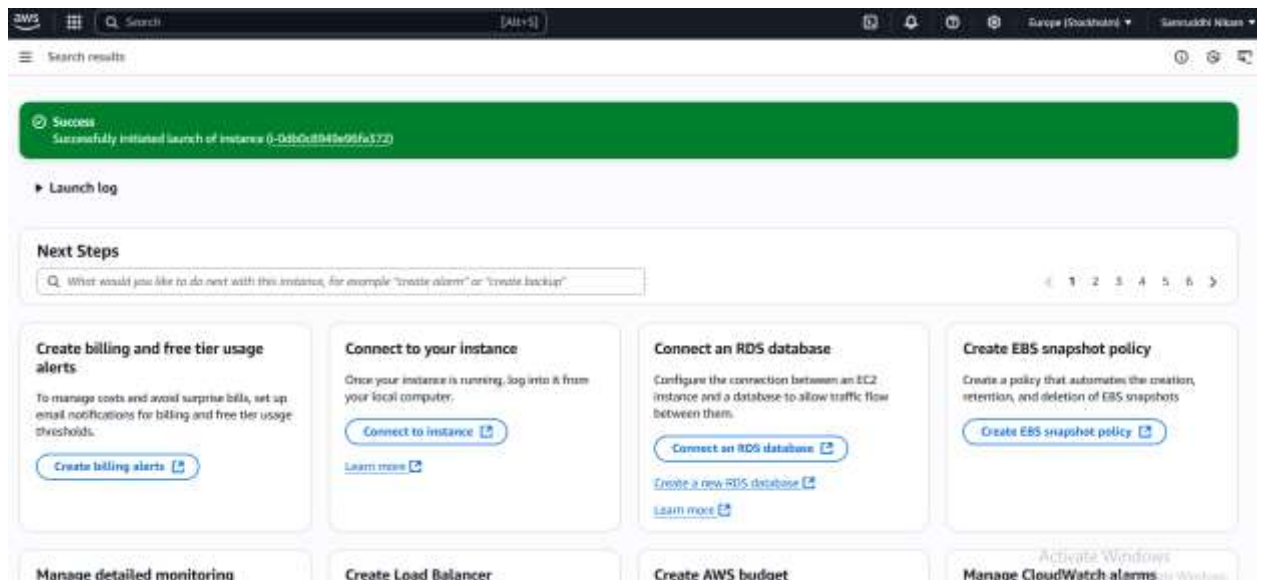
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## 6. Configure Network Settings

## 7. Launch



## 8. ES2 Instance Launch Successfully .



## 9. Open PowerShell or Git Bash on your Windows system, navigate to the folder where your .pem key file is saved and run following command.

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```
PS C:\Users\Shree\Downloads> ssh -i C:\Users\Shree\Downloads\Mykeypair.pem ec2-user@16.170.242.131
The authenticity of host '16.170.242.131 (16.170.242.131)' can't be established.
ED25519 key fingerprint is SHA256:WIqa0pr+OdLlLAuqix/edcCcDM55sB+4sRFcmVSTZY4.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '16.170.242.131' (ED25519) to the list of known hosts.
```

```
#_
#####_      Amazon Linux 2
#####\
#####\      AL2 End of Life is 2026-06-30.
#####\###|
#####\#/
#####V#/'-->
#####/
#####/_/
#####/_/m/'

A newer version of Amazon Linux is available!

Amazon Linux 2023, GA and supported until 2028-03-15.
https://aws.amazon.com/linux/amazon-linux-2023/
```

```
[ec2-user@ip-172-31-46-230 ~]$ |
```

- ## 10. You are now connected to your EC2 instance via SSH